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CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY SENATE: REPORT NO. 2004-2005-3

At meeting No. 398 held November 19, 2004, the Graduate Council considered and approved the following curricular matters which are now submitted to the Faculty Senate for information or confirmation as indicated.

I. Matters of Information

A. College of Engineering

1. Department of Electrical Engineering

a. Changes:

ELE 537 VLSI System Design change title, credits, description and prerequisite to read:

ELE 537 Digital Integrated Circuit Design II (4) Device physics for CMOS technology, design techniques for static and dynamic logic families and arithmetic elements, design capture tools, synthesis strategies, scaling and next generation CMOS technologies, design project (Lecture 3, Lab 3). Prerequisite: ELE 447 and ELE 501.

ELE 539 Analog VLSI change title, credits, description and prerequisite to read:

ELE 539 Analog Integrated Circuit Design (4) IC processing, device modeling and simulation, building blocks for analog circuits, amplifiers, continuous and discrete-time filters, band-gap references, Nyquist-rate converters, oversampled converters, design project (Lecture 3, Lab 3). Prerequisite: ELE 447 and ELE 501.

A. College of Arts and Sciences

1. Department of Psychology

b. Changes:

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PSY 625: Seminar: Social Psychology change in description to read:

625 Seminar: Social Psychology (3) Emphasis on a major area in contemporary social psychology. Empirical studies analyzed for their relevance to theoretical and applied issues: students will design an original investigation. (Seminar) Pre: graduate standing or permission of instructor. May be repeated for a maximum of 12 credits with different topic.

II. Matters Requiring Confirmation by Faculty Senate

A. College of Engineering

1. Department of Civil and Environmental Engineering

a. Add (New):

CVE 543X Traffic Flow Theory Fundamentals (3) This course familiarizes the student with the fundamentals of traffic flow characteristics, including their definitions, their distributions, their relationships and the current techniques for their measurement. These fundamentals are indispensable to the formulation and to the understanding of traffic models and traffic analysis tools used in the design and operation of streets and highways. Fundamental concepts are guided by the latest version of the Monograph on Traffic Flow Theory from the Transportation Research Board, as available at www.tfhrc.gov/its/tft/tft.htm.

B. Graduate Council

1. Requested Change to University Manual Section 8.85.30 Classification

The Graduate Council recommends that a new classification category be developed for any new program such as post-baccalaureate certificate programs where no additional funding resources are necessary.